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Attorney Docket No. 2102397-991720

2824

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hieu Van TRAN et al.

Serial No.: 09/929,542

Group Art Unit: 2824

Filed: August 13, 2001

Examiner: Dinh, Son T.

Title: **ARRAY ARCHITECTURE AND OPERATING METHODS FOR DIGITAL MULTILEVEL NONVOLATILE MEMORY INTEGRATED CIRCUIT SYSTEM**

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June 17, 2002.

Rosa A. Caviedes  
Rosa A. Caviedes

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AMENDMENT

Commissioner for Patents  
Washington, DC. 20231

Sir:

In response to the Office Action mailed on April 10, 2002, please amend the claims as follows: (A marked up copy of the amended claims is attached as Appendix A).

IN THE CLAIMS:

Please amend claims as follows:

4. (amended) A data storage system comprising:  
a plurality of multidimensional memory arrays, each memory array including a plurality of memory cells, a plurality of bit lines, a plurality of control gate lines, and at least one common line, wherein each memory cell is configurable to store one of  $2^N$  values where N is two or greater;

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PTO/SB/17 (10-01)

<b>FEE TRANSMITTAL</b> <b>for FY 2002</b> <i>Patent fees are subject to annual revision.</i>		Complete if Known	
		Application Number	09/929,542
		Filing Date	August 13, 2001
		First Named Inventor	Hieu Van Tran
		Examiner Name	Dinh, Son T.
		Group Art Unit	2824
		Attorney Docket No.	2102397-991720
TOTAL AMOUNT OF PAYMENT		(\$1,716.00)	

<b>METHOD OF PAYMENT</b> 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account Number: <u>07-1896</u> Deposit Account Name: <u>Gray Cary Ware &amp; Freidenrich LLP</u> <input checked="" type="checkbox"/> Charge Any additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 2. <input checked="" type="checkbox"/> <b>Payment Enclosed:</b> <input checked="" type="checkbox"/> Check in the amount of \$ <u>1,716.00</u>		<b>FEE CALCULATION (continued)</b> <b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205 65 Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227 25 Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139 130 Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147 2,520 For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112 920* Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113 1,840* Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215 55 Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216 200 Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217 480 Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218 720 Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228 980 Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219 160 Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220 160 Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221 140 Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138 1,510 Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240 55 Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,280</td><td>241 640 Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,280</td><td>242 640 Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>460</td><td>243 230 Design issue fee</td><td></td></tr> <tr><td>144</td><td>620</td><td>244 310 Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122 130 Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123 50 Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>126</td><td>180</td><td>126 180 Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581 40 Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>740</td><td>246 370 Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>740</td><td>249 370 For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>740</td><td>279 370 Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169 900 Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="3">Other fee (specify) _____</td><td></td></tr> <tr> <td colspan="3">           SUBTOTAL (3) (\$)            1 Reduced by Basic Filing Fee Paid         </td> <td></td> </tr> </tbody> </table>		Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid	105	130	205 65 Surcharge - late filing fee or oath		127	50	227 25 Surcharge - late provisional filing fee or cover sheet		139	130	139 130 Non-English specification		147	2,520	147 2,520 For filing a request for <i>ex parte</i> reexamination		112	920*	112 920* Requesting publication of SIR prior to Examiner action		113	1,840*	113 1,840* Requesting publication of SIR after Examiner action		115	110	215 55 Extension for reply within first month		116	400	216 200 Extension for reply within second month		117	920	217 480 Extension for reply within third month		118	1,440	218 720 Extension for reply within fourth month		128	1,960	228 980 Extension for reply within fifth month		119	320	219 160 Notice of Appeal		120	320	220 160 Filing a brief in support of an appeal		121	280	221 140 Request for oral hearing		138	1,510	138 1,510 Petition to institute a public use proceeding		140	110	240 55 Petition to revive - unavoidable		141	1,280	241 640 Petition to revive - unintentional		142	1,280	242 640 Utility issue fee (or reissue)		143	460	243 230 Design issue fee		144	620	244 310 Plant issue fee		122	130	122 130 Petitions to the Commissioner		123	50	123 50 Processing fee under 37 CFR 1.17(q)		126	180	126 180 Submission of Information Disclosure Stmt		581	40	581 40 Recording each patent assignment per property (times number of properties)		146	740	246 370 Filing a submission after final rejection (37 CFR § 1.129(a))		149	740	249 370 For each additional invention to be examined (37 CFR § 1.129(b))		179	740	279 370 Request for Continued Examination (RCE)		169	900	169 900 Request for expedited examination of a design application		Other fee (specify) _____				SUBTOTAL (3) (\$) 1 Reduced by Basic Filing Fee Paid			
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SUBMITTED BY		Registration No.		Telephone	
Name (Print/Type)		(Attorney/Agent)			
Edward B. Weller		37,468		(650) 833-2436	
Signature		Date		June 17, 2002	

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